

Figure A1.10: Outcrop photos of measured section from Shawnee Rock Company's Shawnee quarry. (A) Photo of entire Farley section as well as Island Creek Shale and Bonner Springs Shale. Locations of aggregate samples are indicated. (B) Close-up of a portion of the lower Farley Limestone with locations from which aggregate samples were taken indicated.

Rock Unit(s): Lower Farley LS

Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed. Struct. & Diag. Treat.	Rock Name (Dunham)	Cement	Color	Sample No.	Photo No.	Additional Remarks
35m		# 8 A 8 ~	~	Stylolitic wackestone	Large (4-10mm) spar filled vugs & veins Spar size < 4mm Spar content is very high. Cementation ~ 25%	Dr. gray - Barnish Black	~	~	Fossil fragments conc. in stylolites around nodules. Some in nodules. Ab. veins & vugs filled w/ coarse spar Matrix is microspar Clay (clay/brown) ~ 20%
20cm		A 8 ~	~	Productoid/Blotted, skeletal Rock	Med. spar in Productoid Pore-filled (~15-20%)		SH-6 SH-7	A-29	Coarse spar in matrix. Pockets of clay cement (~15%) Vagely porous. Some spar only in matrix nodules.
4cm				Siltstone					
46cm		A 8 ~	~	Phylloid Algal Wackestone	Med. spar (10%) Less spar than below		SH-2		Shale is disconformity from bedding plane. ~20% matrix clay cement. All phylloid content is fragmental normal. Higher ratio of brachiopods & bryozoans.
23cm		A 8 ~	~	Phyl. Algal Wackestone	Ab. coarse & fine spar (10-15%)		SH-1		~ 40% contains diffuse clay
3cm				Siltstone					Undulating shale bed
14cm		A 8 ~	~	Phyl. Algal Wackestone	sp ~ 10%				Waggy concentrated clay seams ~ 10%
35cm		A 8 ~	~	Phyl. Algal Wackestone	Med. spar filling cracks & replacing phyl. algal (~15%)				~ 60% diffuse clay at base (transitional graded contact)
10cm						Med. Light Gray (N20)			1.5m & 1.5cm micaceous non-fossiliferous bluish gray shale


Date 6/11/97

Location Shawnee Rock #1, Shawnee, KS

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1:10cm

Rock Unit(s): Lower Farley

Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed. Struct & Diag. Feat.	Rock Name (Dunham)	Cement	Color	Sample No.	Photo No.	Additional Remarks
10m		St. Westminster	St. Westminster	Highly recryst. (~50-60%)		Black-gray			Fingered matrix w/ large, white v. fresh beds
22m		St. Westminster	St. Westminster	Highly recryst. (~50-60%)		Black-gray			Argillaceous bit. Partly grey - limestones also the glauconitic but completely argillaceous (disseminated)
17m		Sh. Westminster	Sh. Westminster	Highly recryst. (~50-60%)		Black-gray	SH-5		
49m				as below			SH-1		Continued from p. 1

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Location Shawnee Rock #1, Shawnee, KS

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Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed. Struct. & Diag. Feat.	Rock Name (Dunham)	Grain Size	Color		Sample No.	Photo No.	Additional Remarks
						Fresh	Weathered			
243cm		2500	21(?)	(Slightly laminated - lenticular) Siltstone		Dk Gray	Greenish Gray	5-8		Miscellaneous throughout: much more so towards the base. Faceted lenses at top 100cm. Top ~25cm much more calcareous & well cemented. Prominent horizon of calcareous concretions/nodules. Obvious lack of any body fossils or impressions. Calcareous throughout but only very slightly.

Date 4/1/11

Location Shawnee Lake #1

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1:20 cm

Rock Unit(s): Upper Farley LS

Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed. Struct. & Diag. Feat.	Rock Name (Dunham)	Cement	Color	Sample No.	Photo No.	Additional Remarks
130m		~ P O #	●	Phyl. Algal Wackestone	Coarse spar in breccia & phyls. Some beds show diff. cementation of fine spar Spar also surrounds phyls. (~25-30%)	Tannish-brown to mid gray	SH-12 KOT-7 B-2 SH-9 SH-10	B-1	Wavy, discontinuous, thin bedding Ab. cement. shale seams just well as ab. diffuse clay (30-50% clay) Some beds show mottled heterotaxial diff. cementation Seams of coarser grained pelletal? goniatite Large fossils more ab. lower in section Diffuse clay ab. at base & towards top ~65% contains diffuse clay. Bedding planes tend to have rounded bed forms
4cm				Siltstone					
60m		P ~ O #	● (FS)	Phyllocl- Algal Wackestone	Spar more ab. upward. In breccia. & phyl. algal (~10-20%)	Tan-Gray	SH-9		Marker Bed ~25% contains diffuse clay @ base
		P O #	●	Skeletal Breccia Wackestone	Very little coarse spar at base	Dr. Gray	SH-8		Clay less ab. upward Bottom 15cm very shaly gradual transition from MFS

Date 6/12/17

Location Shawnee Rock #1, Shawnee KS

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Rock Unit(s): Upper Farkley Ls

Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed. Struct & Diag. Feat.	Rock Name (Dunham)	Cement	Color	Sample No.	Photo No.	Additional Remarks
49 cm				Plinthis, Sclerolite, Radiolaria	Little to no coarse sand Sparsely mostly fine sandstone (~20%)?		W-45 SH-44	B-3	Top surface has large cracks on it. Dominantly peloids < 1 mm Massive but contains along outcrop Very clean & 5% clay content
32 cm				Phyl. Algal Wackestone	Very little sand. A/B detrital? coating fossils & lining voids	Tannish Brown/ Orange	SH-43	B-3	Phyl. Alg. coated w/ detrital Mudstone porosity ~ 15% contains diffuse clay

Date 6/12/97

Location Shawnee Rb #1, Shawnee, KS

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